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CENTRAL INTELLIGENCE AGENCY
INFORMATION REPORT

REPORT

CD NO.

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COUNTRY USSR (Moscow Oblast)
SUBJECT TsIAM Institute in Moscow

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COUNTRY USSR 2 REPORT

TOPIC Tsiam Institute in Moscow

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EVALUATION PLACE OBTAINED 25X1DATE OF CONTENT 25X1DATE OBTAINED DATE PREPARED 17 January 1955 25X1REFERENCES PAGES 1 ENCLOSURES (NO. & TYPE) 2 - two sketches, with legends on dittoREMARKS

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1. In a workshop of the Tsiam Institute in Moscow assembly work was done on a wind tunnel. No information was available on the organizational setup and layout of the plant.¹
2. According to inscriptions on parts of this wind tunnel, it had been dismantled at the former DVL-(German Aviation Experimental Station) in Adlershof. "2
At the time of observation, the assembly work had proceeded already very far, but it was believed that the tunnel would not be completed for several months. A target date could not be given.
3. The wind tunnel was equipped with three large high pressure compressors, each to be driven by an individual electric engine, about 2 meters in diameter. The output of the compressors was unknown. The basement of the building housed a confusing mass of pipe lines up to about 75 cm in diameter. The pipe lines were provided with gate valves and many other valves and some of them were insulated with glass wool and glass fabrics. The separate operation stand was equipped with various oscillographs and other recording instruments and control equipment to adjust temperature, humidity, wind speed and air pressure.
4. No information was obtained on the actual purpose of the wind tunnel. It was believed, however, that it was to be used for flow tests on models. An air conditioning unit was probably installed.

1. Comment. For location sketch of Tsiam Institute, see Annex 1.

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2. Comment. For a partial sketch of the wind tunnel, see Annex 2.
The installation concerned is probably the high altitude test stand dismantled at the former DVL in Adlershof.

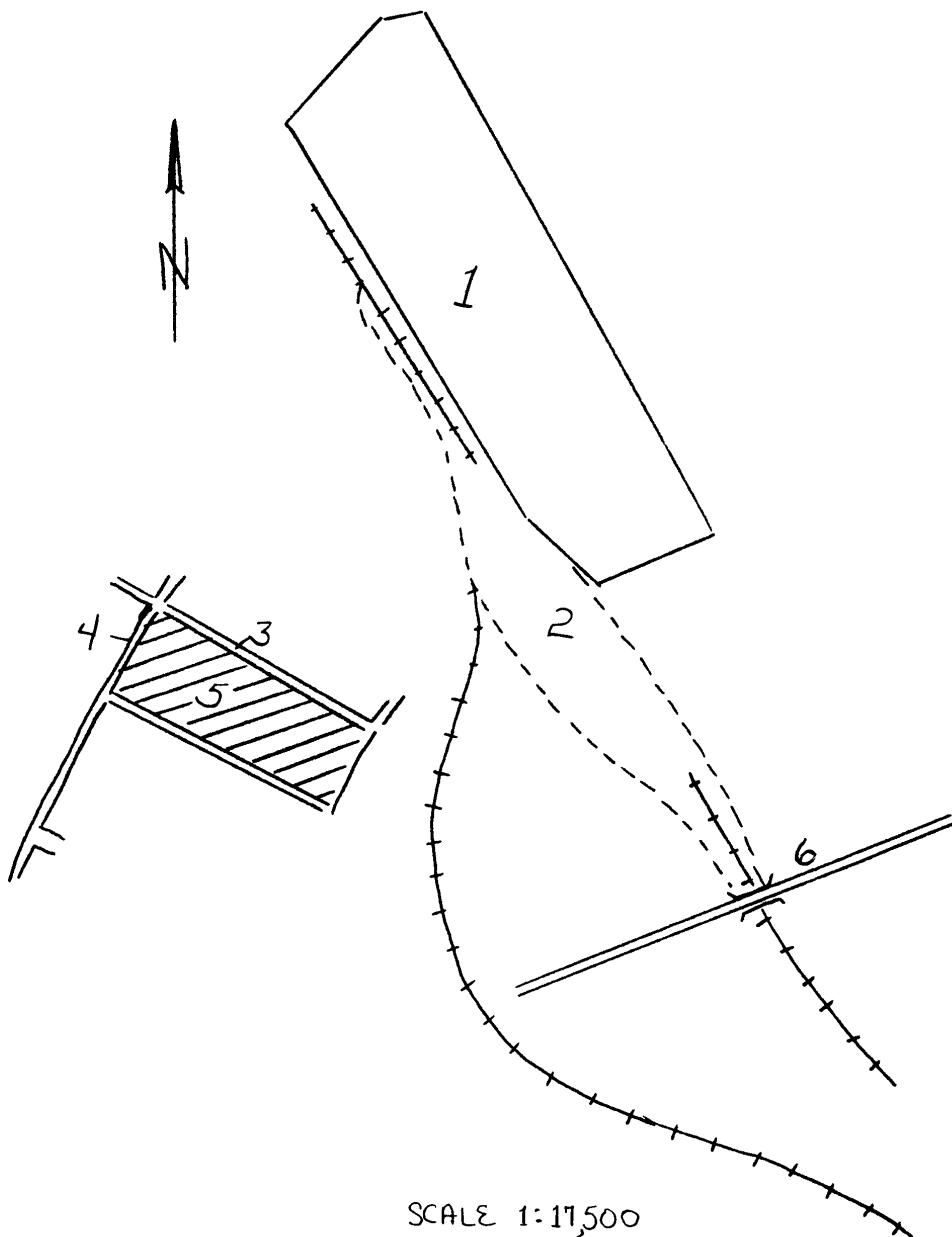
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Sketch No. 1
Sketch of Tsiam Institute in Moscow



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Annex 1

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Location Sketch of Tsiam Institute in Moscow

Legend:

- 1 Aircraft Engine Plant No 45
- 2 Sortirovochnaya Shifting Station
- 3 Aviamotornaya Ulitsa
- 4 Lefortovsky Wall
- 5 Building complex housing Tsiam Institute
- 6 Enthusiastov Chaussee

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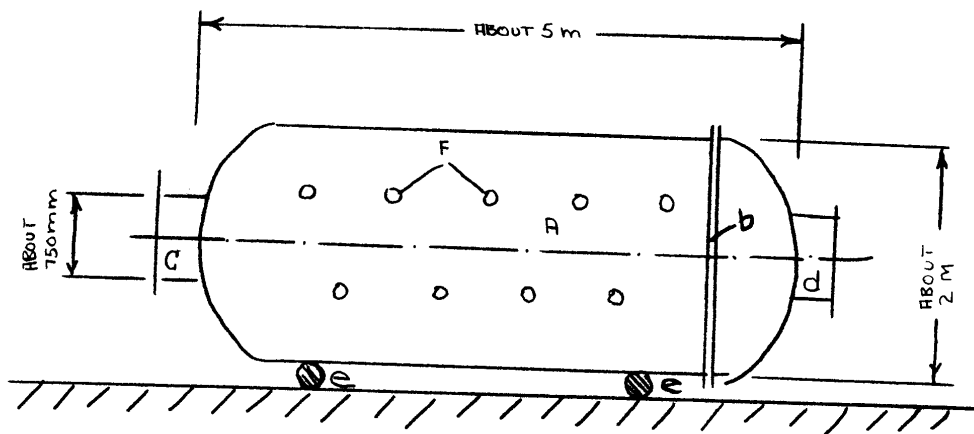
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Sketch No. 2

Wind Tunnel Assembled at Tsiam Institute in Moscow



NOT TO SCALE.

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Annex 2

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Wind Tunnel Assembled at Tsiam Institute in Moscow

Legend.

- a. The wind tunnel was a steel cylinder, about 5 m long, about 2 m in diameter and about 30 mm thick.
- b. Hinged lid to be opened like a door
- c. Pipe connection with flange, internal diameter about 75 cm.
- d. Pipe connection with flange, internal diameter about 75 cm.
- e. Rollers running on rails to carry the wind tunnel.
- f. Inspection windows on either side of the wind tunnel.

The interior of the tunnel was fitted with two rails on the bottom.

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